weeflos BP-M-01

Weeflos 1.5HP Automatic Booster Pump (Model BP-M-01) User Manual

Model: BP-M-01 | Brand: Weeflos

Overview Safety Instructions Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Product Overview

The Weeflos 1.5HP Automatic Booster Pump is designed to provide consistent water pressure for various applications, including household water supply, irrigation, and drainage. It features a robust 1.5HP motor, a maximum flow rate of 1600 GPH, and a maximum head of 120 feet. The integrated mechanical pressure switch ensures automatic operation, starting and stopping the pump based on water demand.

- **Reliable Mechanical Auto Control:** Automatically starts and stops the pump for consistent water flow.
- **Strong 1.5HP Motor:** Delivers up to 1600 GPH water flow and 120ft max head.
- **Self-Priming:** Designed for easy and quick start-up.
- **Built-in Protection:** Features overheat and dry-run protection for safe operation.
- **Versatile Applications:** Suitable for boosting shower pressure, garden irrigation, basement drainage, and pool circulation.

2. Important Safety Instructions

Read this manual carefully before installation and operation. Failure to follow these instructions may result in personal injury or property damage. Keep this manual for future reference.

- Always disconnect power before performing any maintenance or service.
- Ensure the pump is installed in a dry, well-ventilated area, protected from direct sunlight and freezing temperatures.
- Do not use the pump for flammable, corrosive, or explosive liquids.
- Ensure all electrical connections comply with local codes and standards.
- The pump must be properly grounded to prevent electrical shock.
- Do not run the pump dry. Always ensure the pump is primed with water before starting.

- Keep children and unauthorized personnel away from the pump during operation.

3. Installation and Setup

Proper installation is crucial for the pump's performance and longevity. Follow these steps carefully.

3.1 Unboxing and Inspection

Carefully remove the pump from its packaging. Inspect for any signs of damage during transit. Ensure all components are present.

3.2 Mounting the Pump

Mount the pump on a stable, level surface to minimize vibration and noise. Use appropriate fasteners to secure it firmly.

3.3 Plumbing Connections

Connect the water inlet and outlet pipes. The pump requires 1-inch NPT connections. Ensure all connections are watertight using thread sealant or tape.

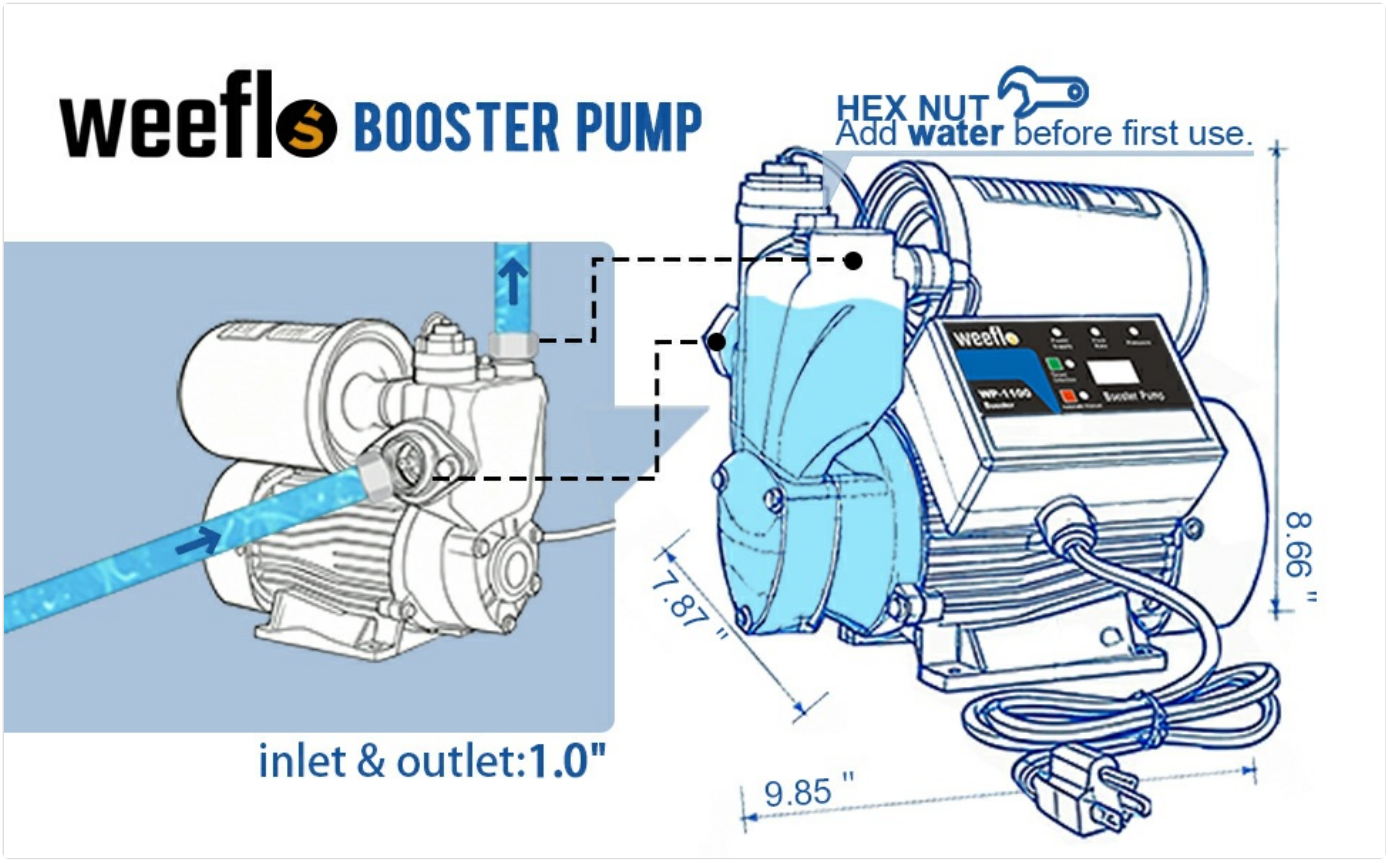


Image: Detailed diagram illustrating the water inlet and outlet connections, including the water filling port and flow switch. The diagram shows the pump's dimensions and power cord length.

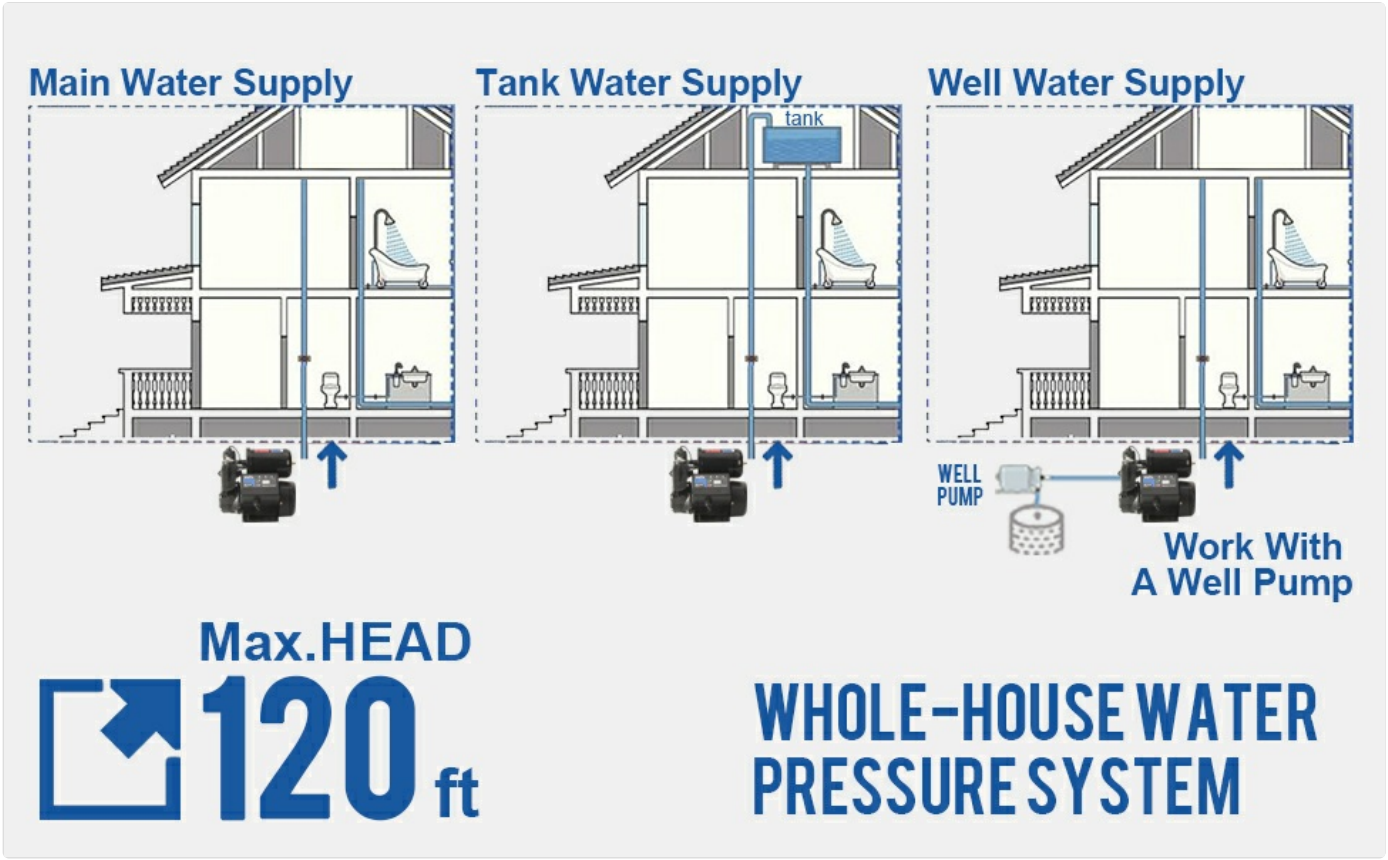


Image: An exploded view diagram of the Weeflos booster pump, highlighting the 1.0" inlet and outlet connections. This image also shows the hex nut for adding water before first use.

3.4 Priming the Pump

Before initial use, the pump must be primed. Remove the priming plug (hex nut) and fill the pump casing with water until it overflows. Replace the plug securely.



Image: A close-up view of the Weeflos booster pump, specifically highlighting the water filling port (hex nut) and the flow switch. This is where water should be added to prime the pump before its first operation.

3.5 Electrical Connection

Connect the pump to a grounded 110V, 60Hz power outlet. Ensure the power supply matches the pump's requirements.

4. Operating Instructions

The Weeflos booster pump features automatic operation based on water flow and pressure.

4.1 Automatic Start/Stop

The mechanical pressure switch automatically detects water demand. When a faucet is opened, the pressure drops, and the pump starts. When the faucet is closed, pressure builds, and the pump stops.

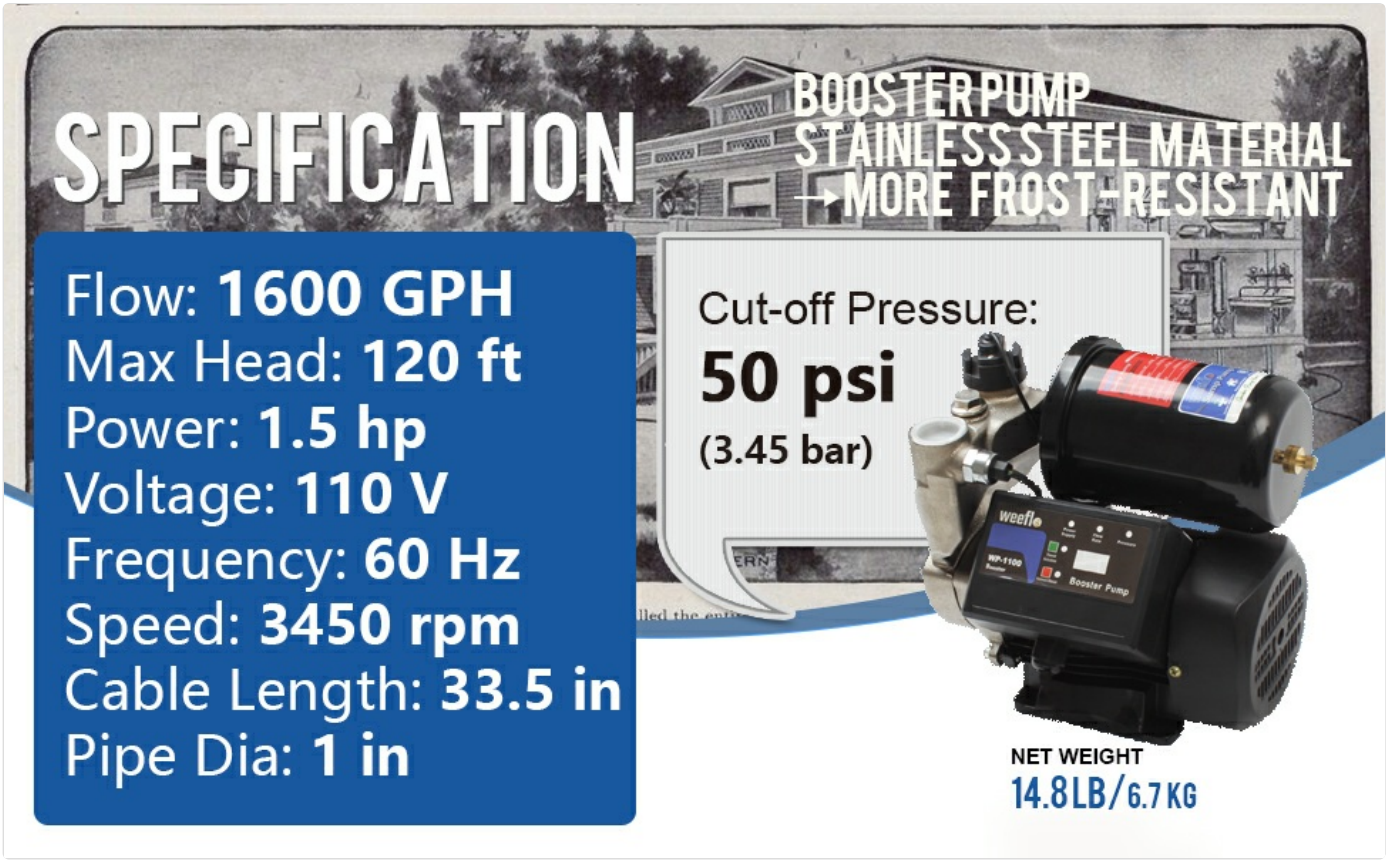


Image: Visual representation of the automatic start-stop function. It shows a faucet in both OFF and ON positions, indicating how the booster pump activates and deactivates with water flow.

4.2 Indicator Lights

The control panel features indicator lights for Power Supply, Flow Rate, and Pressure. Monitor these lights for normal operation and troubleshooting.



Image: A close-up of the Weeflos booster pump's control panel, showing the indicator lights for Power Supply, Flow Rate, and Pressure. The "WP-1100 Booster" model name is also visible.

4.3 Typical Applications

- **Household Water Pressure Boosting:** Enhances water pressure for showers, faucets, and appliances.
- **Irrigation Systems:** Provides consistent water flow for garden and lawn irrigation.
- **Basement/Rainwater Drainage:** Can be used for water transfer and drainage tasks.
- **Pool/Pond Circulation:** Assists in water circulation for recreational water features.



Image: An infographic titled "APPLICATION SCENARIOS" showing the versatility of the Weeflos booster pump. It depicts its use for shower/household water, irrigation, residential buildings, and garden/pool water pressure boosting.



Image: A diagram illustrating the Weeflos booster pump's integration into a whole-house water pressure system. It shows how the pump can boost pressure from main water supply, tank water supply, or work with a well pump, achieving a Max. HEAD of 120 ft.

5. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your pump.

- **Regular Inspection:** Periodically check for leaks, unusual noises, or vibrations.
- **Cleaning:** Keep the pump exterior clean and free from debris.
- **Winterization:** In freezing climates, drain the pump completely or protect it from freezing to prevent damage.
- **Filter Check:** If an inlet filter is used, inspect and clean it regularly to prevent clogging.

6. Troubleshooting Guide

This section provides solutions to common issues you might encounter.

6.1 Pump Does Not Start

- **Check Power Supply:** Ensure the pump is plugged in and the power outlet is functional.
- **Check Circuit Breaker:** Verify that the circuit breaker has not tripped.
- **Verify Water Supply:** Ensure there is water available to the pump.
- **Priming:** Confirm the pump is properly primed.

6.2 Low Water Pressure

- **Check for Leaks:** Inspect all plumbing connections for leaks.
- **Inlet Obstruction:** Ensure the inlet pipe and any filters are not clogged.
- **Air in System:** Bleed any air from the system.

6.3 Pump Runs Continuously

- **Check for Leaks:** Even small leaks in the system can cause the pump to run continuously.
- **Pressure Switch Malfunction:** The mechanical pressure switch may need inspection or replacement.

6.4 Excessive Noise or Vibration

- **Loose Mounting:** Ensure the pump is securely mounted.
- **Air in System:** Air trapped in the pump can cause noise.
- **Debris in Impeller:** Disconnect power and check for any debris obstructing the impeller.

7. Technical Specifications



Image: An infographic displaying the key specifications of the Weeflos booster pump, including Power (1.5HP), Voltage (110V), Frequency (60Hz), Speed (3450 R/M), Flow (1600 GPH), Max. Head (120FT), Cable Length (33.5 IN), and PIP DIA (1.0 IN).

Feature	Specification
Brand	Weeflos
Model Number	BP-M-01
Power	1.5 HP
Voltage	110 V
Frequency	60 Hz
Max Flow Rate	1600 GPH
Max Head	120 Feet
Speed	3450 RPM
Pipe Diameter	1 Inch
Product Dimensions (L x W x H)	9.82" x 7.87" x 8.66"
Item Weight	7.19 Kilograms (approx. 15.85 lbs)
Material	Stainless Steel
Power Source	Corded Electric

8. Warranty and Support

For warranty information and customer support, please refer to the documentation included with your purchase or contact

Weeflos customer service.

- **Return Policy:** 30-day refund/replacement policy (as per Amazon's policy at time of data extraction).
- **Protection Plans:** Optional 3-Year and 4-Year protection plans may be available for purchase.

For technical assistance or questions regarding your Weeflos booster pump, please visit the official Weeflos store or contact their support team directly.
Weeflos Store: https://www.amazon.com/stores/Weeflos/page/AD486DDC-FF19-4742-A0DE-0DD94A77C4EB

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